

Data File : VW008207.D
Acq On : 11 Jan 2019 21:03
Operator : SY/VA
Sample : K1102-08RE
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CPSB-14(15-20)

Quant Time: Jan 12 00:18:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	106618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	184888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	81248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	59674	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.88	113	59176	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
50) Toluene-d8	10.32	98	230782	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	81647	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

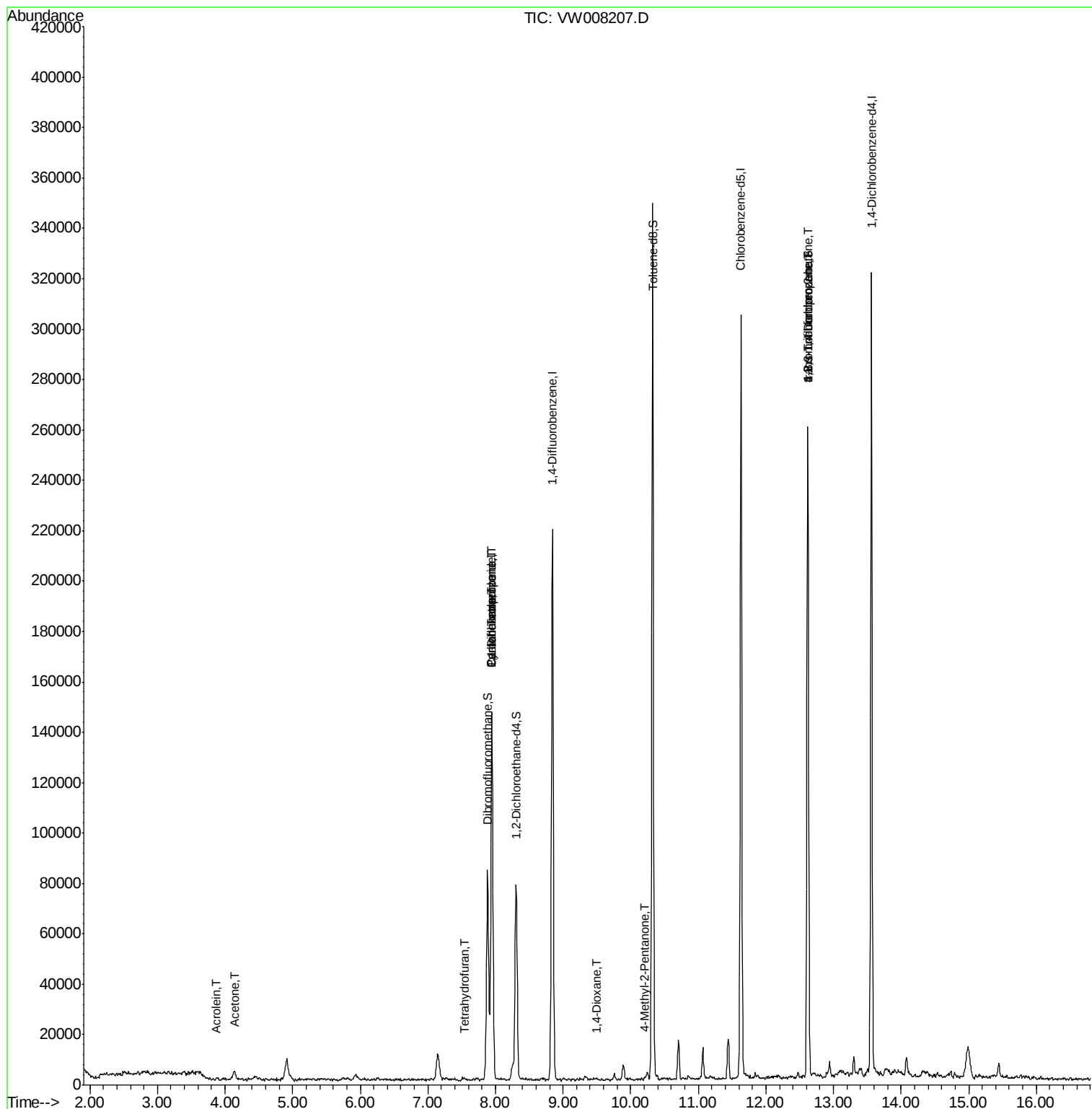
					Qvalue	
11) Tert butyl alcohol	5.24	59	146	Below Cal	#	100
13) Acrolein	3.88	56	360	3.034	ug/l	98
16) Acetone	4.14	43	6250	8.594	ug/l	88
29) Tetrahydrofuran	7.55	42	484	2.173	ug/l #	67
31) Cyclohexane	7.95	56	2680	1.063	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	8692	4.564	ug/l #	49
38) Carbon Tetrachloride	7.95	117	11134	6.387	ug/l #	18
49) 1,4-Dioxane	9.50	88	49	4.844	ug/l #	65
51) 4-Methyl-2-Pentanone	10.21	43	1279	1.732	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	39633	53.510	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	39633	124.609	ug/l #	11

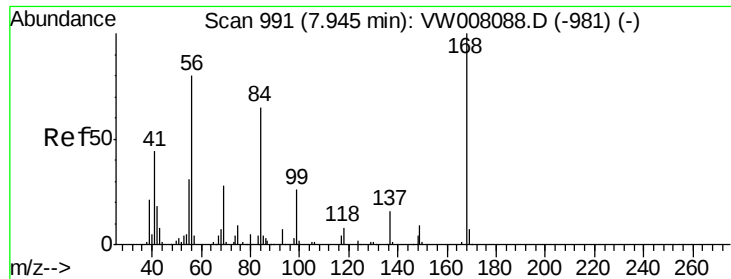
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

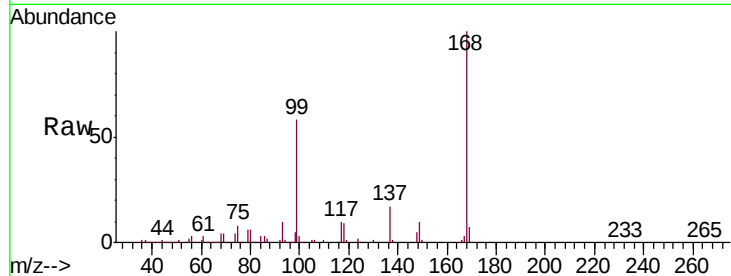
CPSB-14(15-20)

Tgt Ion:168 Resp: 106618

Ion Ratio Lower Upper

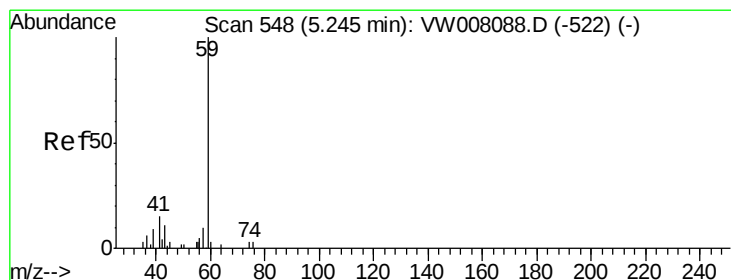
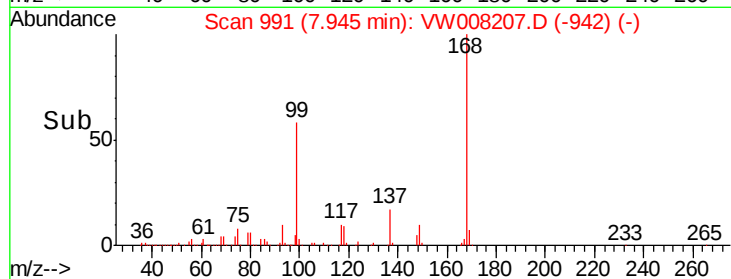
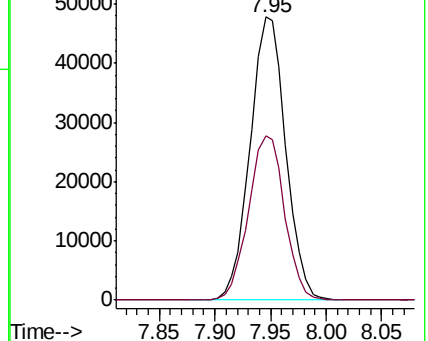
168 100

99 57.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW008207.D

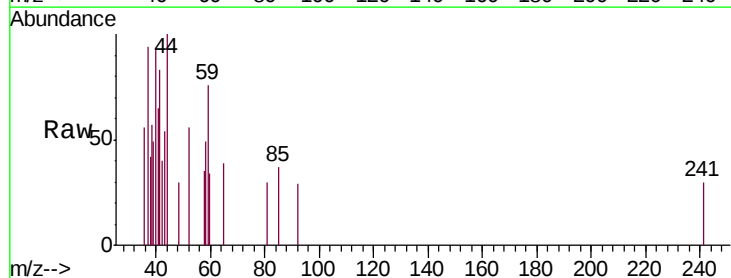
Acq: 11 Jan 2019 21:03

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

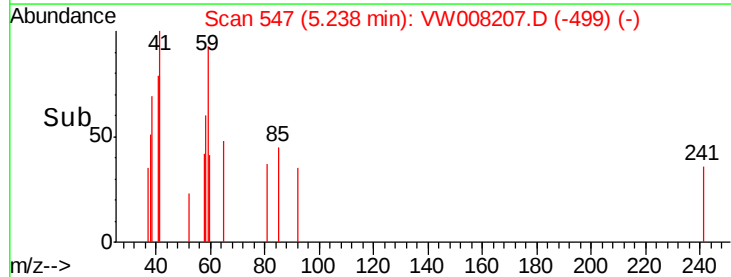
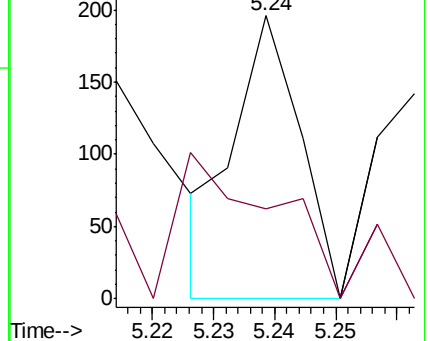
59 100

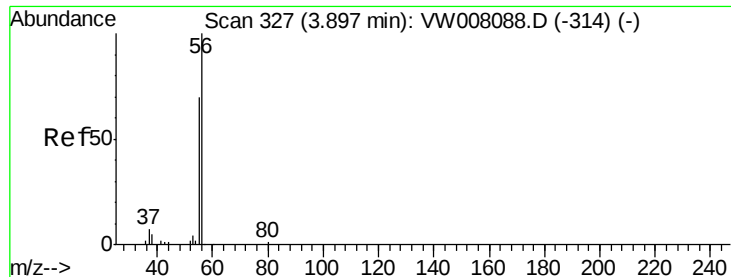
57 75.3 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.034 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.02 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

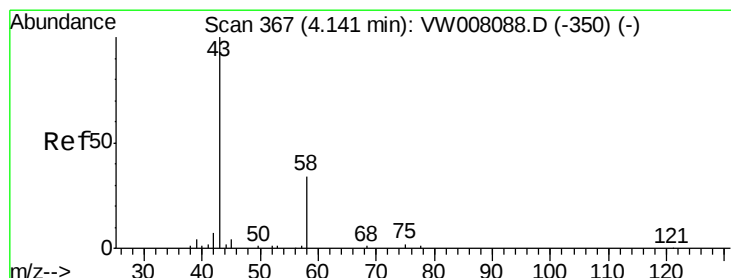
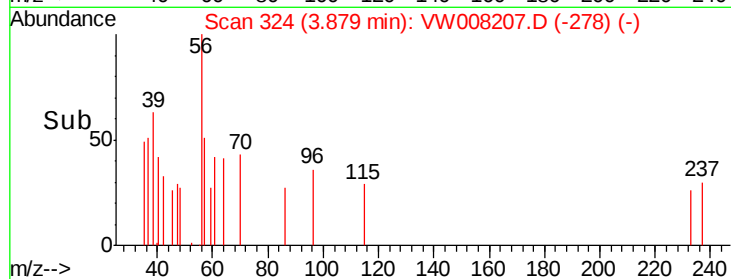
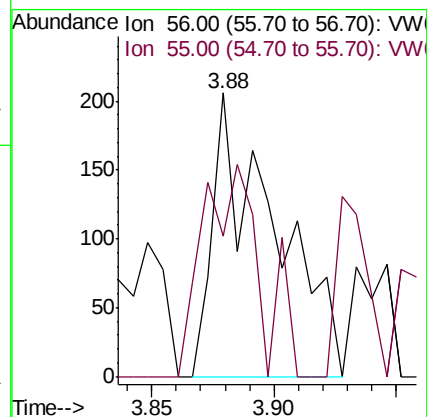
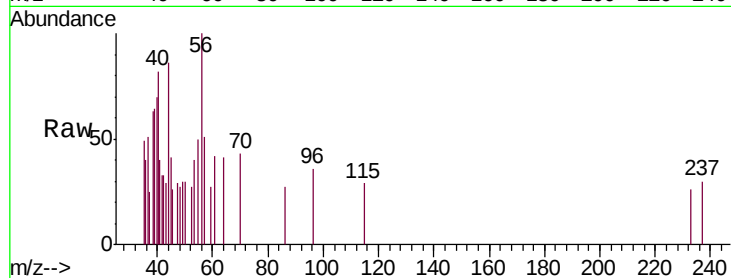
CPSB-14(15-20)

Tgt Ion: 56 Resp: 360

Ion Ratio Lower Upper

56 100

55 69.4 56.6 84.8



#16

Acetone

Concen: 8.594 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008207.D

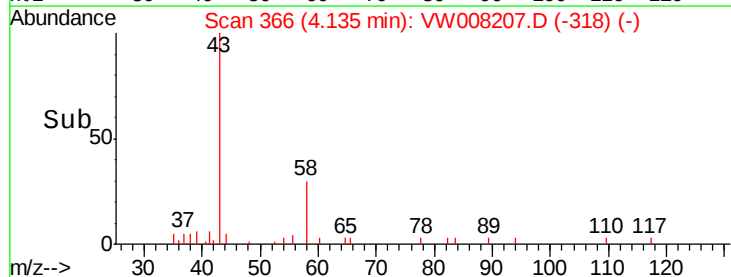
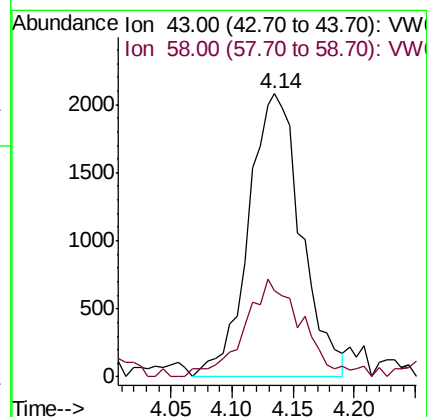
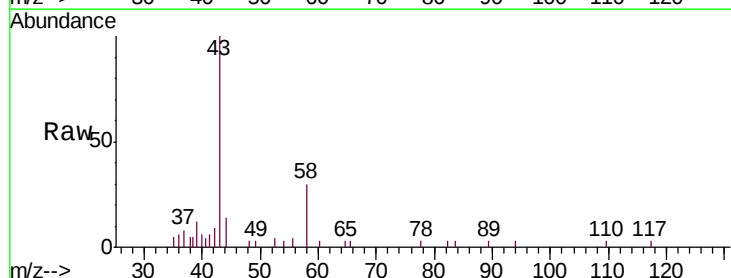
Acq: 11 Jan 2019 21:03

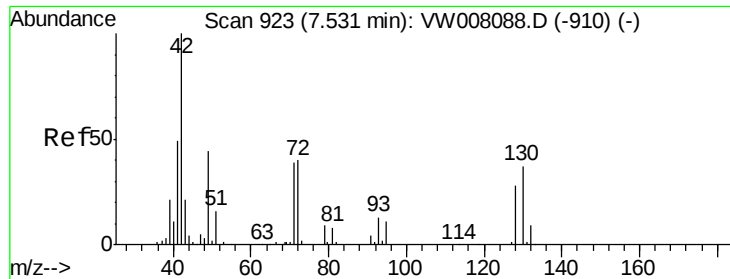
Tgt Ion: 43 Resp: 6250

Ion Ratio Lower Upper

43 100

58 27.6 27.5 41.3

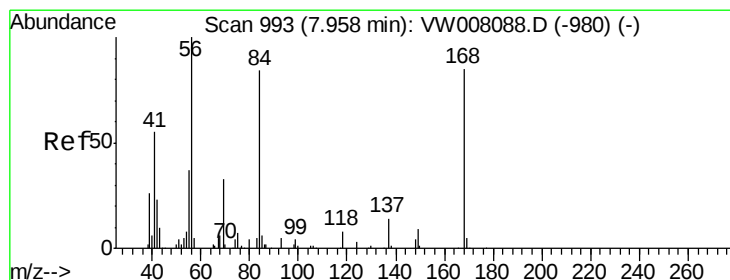
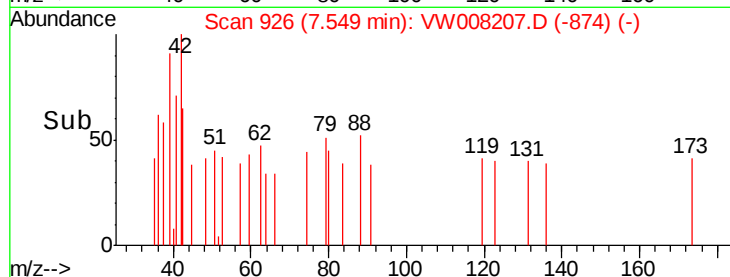
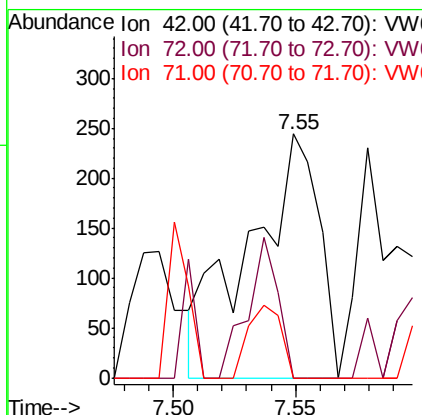
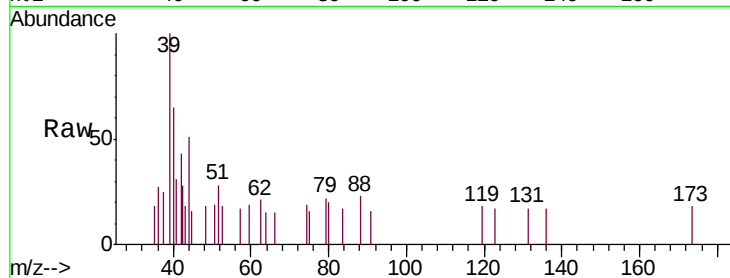




#29
Tetrahydrofuran
Concen: 2.173 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008207.D
Acq: 11 Jan 2019 21:03

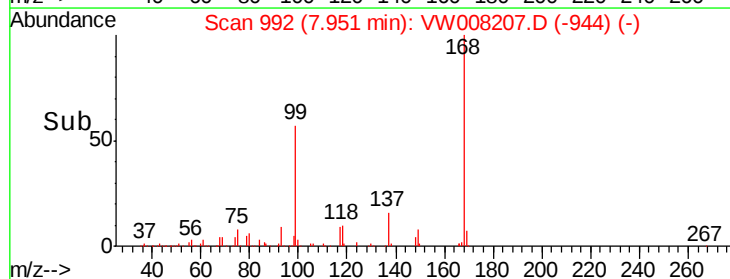
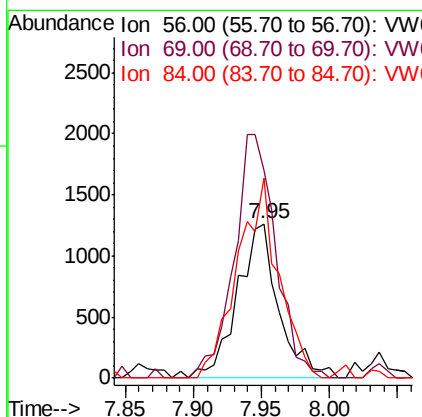
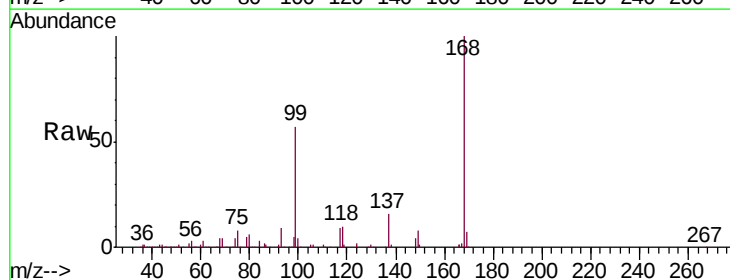
Instrument :
MSVOA_W
ClientSampleId :
CPSB-14(15-20)

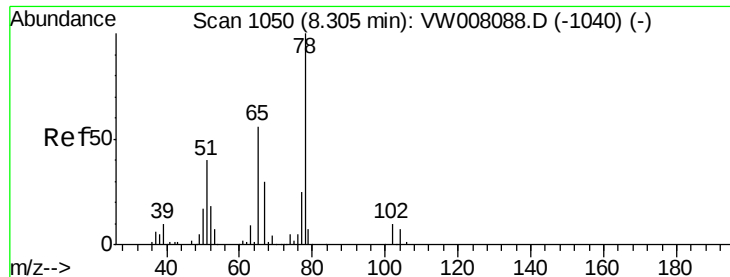
Tgt Ion: 42 Resp: 484
Ion Ratio Lower Upper
42 100
72 25.2 32.4 48.6#
71 14.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008207.D
Acq: 11 Jan 2019 21:03

Tgt Ion: 56 Resp: 2680
Ion Ratio Lower Upper
56 100
69 134.6 26.2 39.4#
84 130.0 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 49.799 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

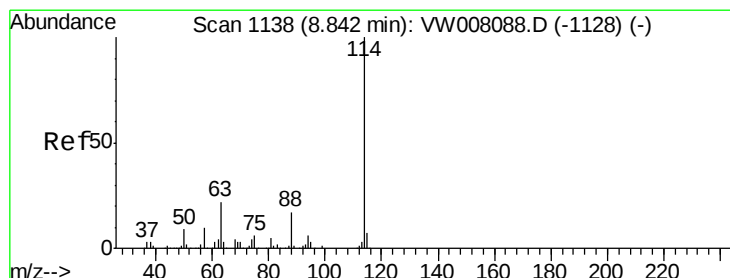
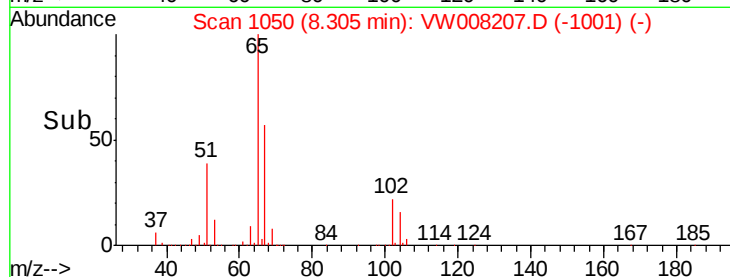
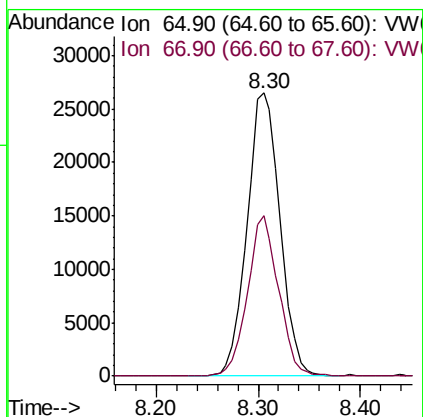
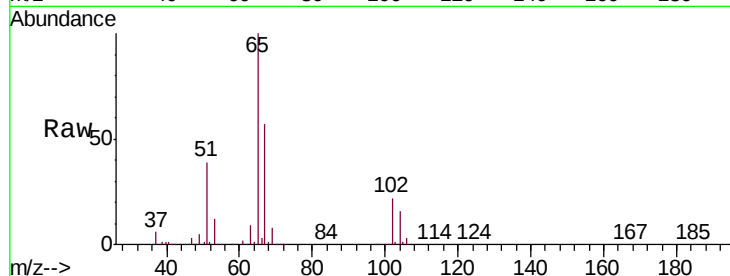
CPSB-14(15-20)

Tgt Ion: 65 Resp: 59674

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

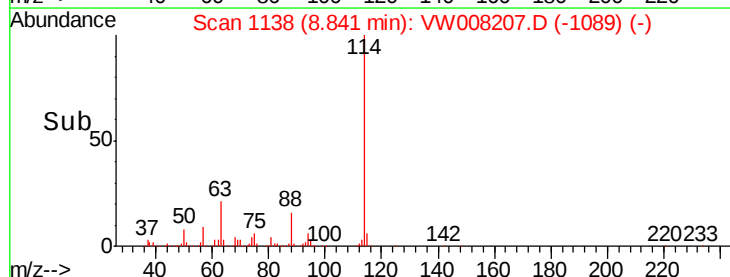
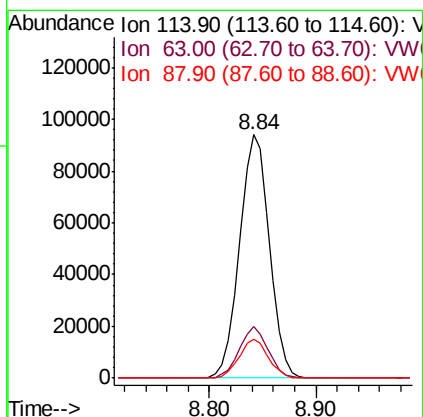
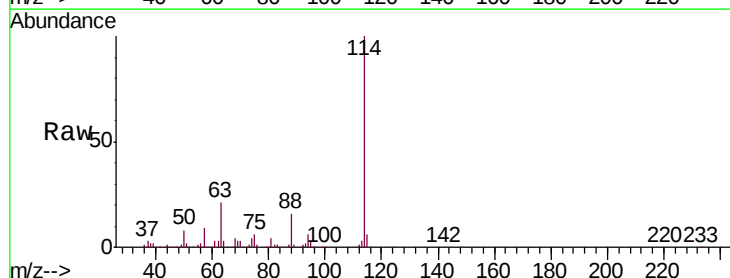
Tgt Ion: 114 Resp: 184888

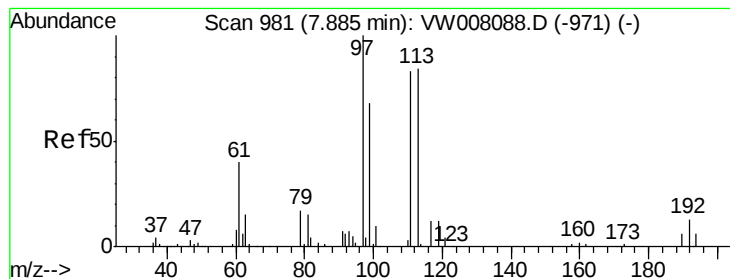
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.877 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

CPSB-14(15-20)

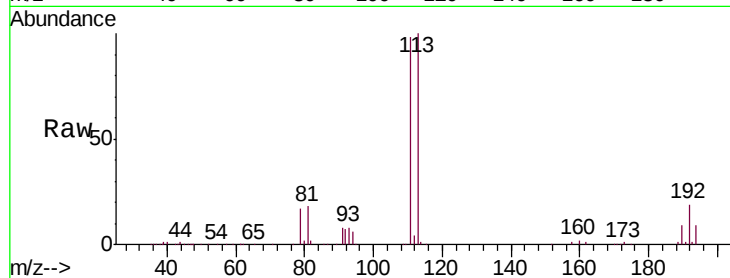
Tgt Ion:113 Resp: 59176

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

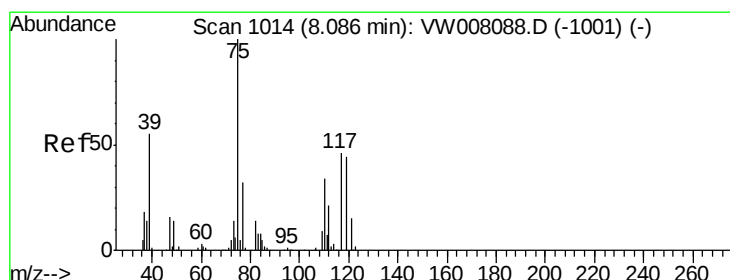
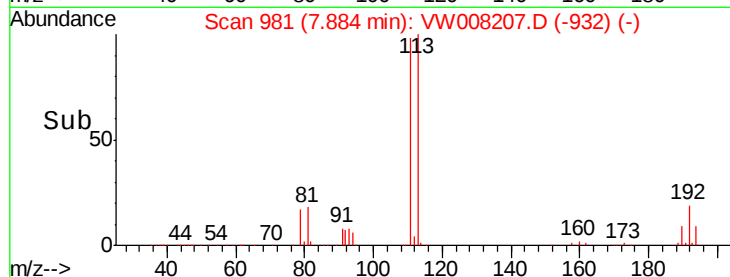
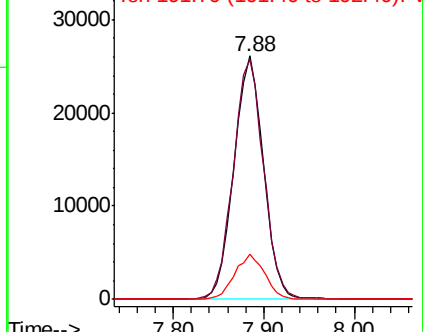
192 18.8 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

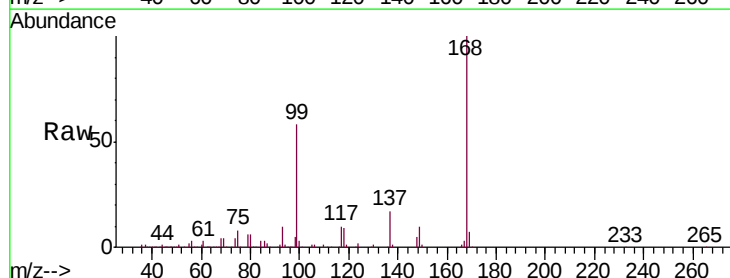
Tgt Ion: 75 Resp: 8692

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.3#

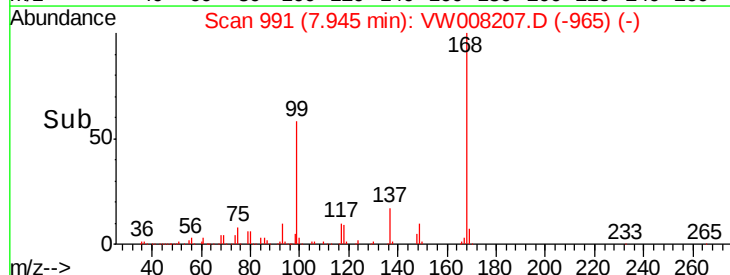
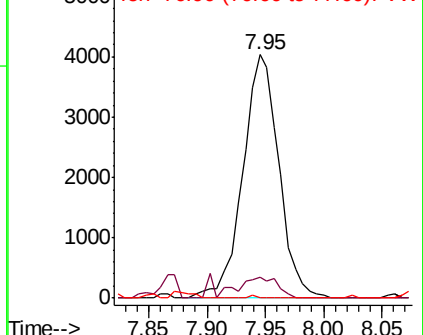
77 0.2 25.5 38.3#

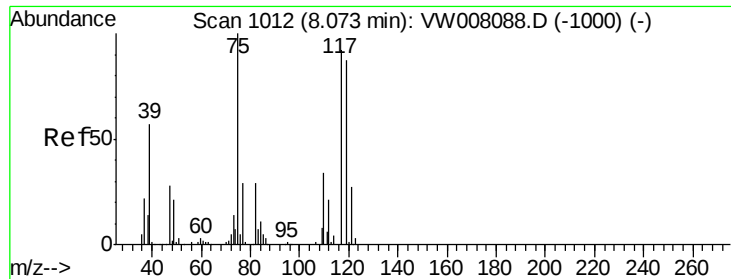


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

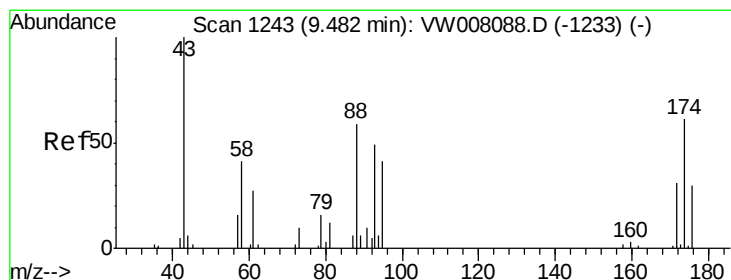
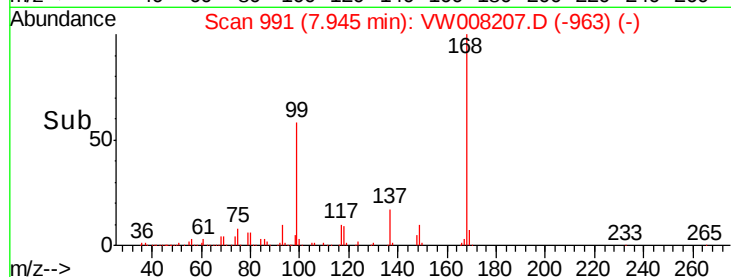
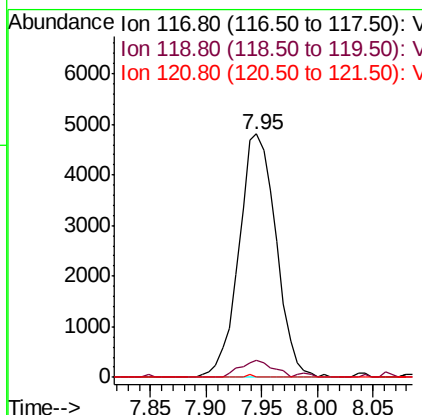
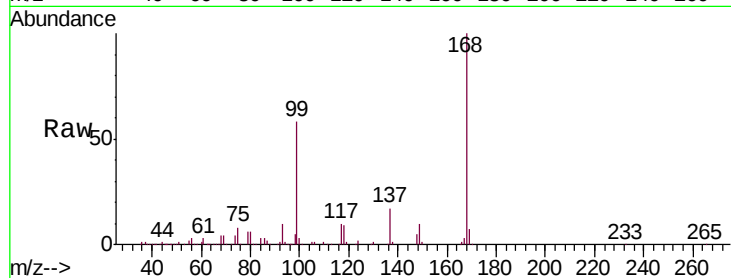




#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008207.D
Acq: 11 Jan 2019 21:03

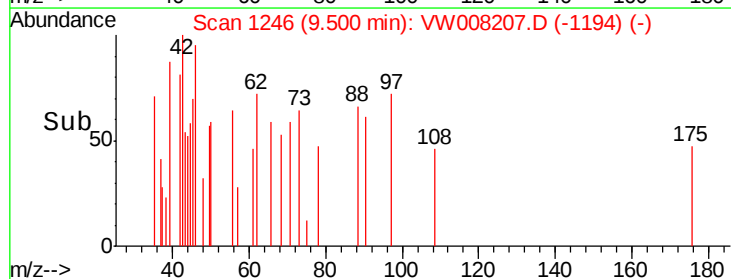
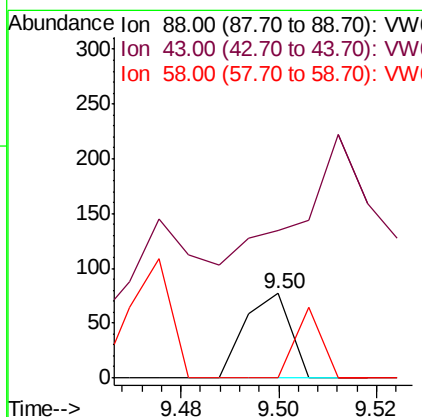
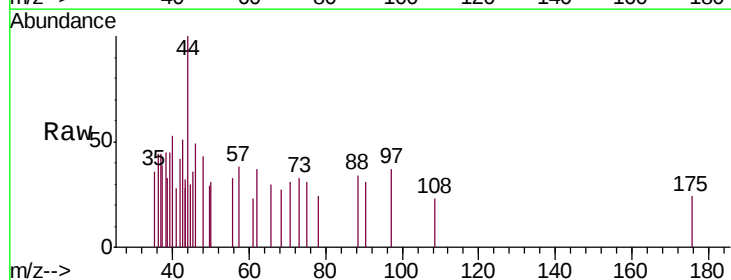
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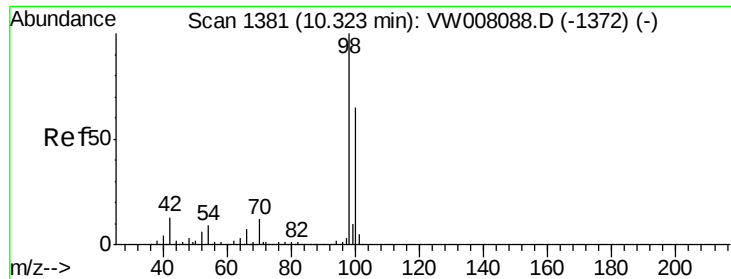
Tgt Ion: 117 Resp: 11134
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 4.844 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VW008207.D
Acq: 11 Jan 2019 21:03

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 822.4 0.0 0.0#
58 46.9 61.7 92.5#

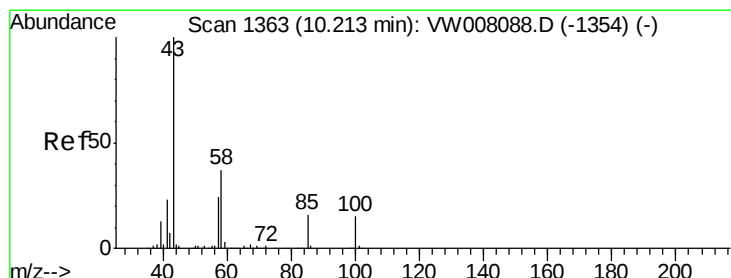
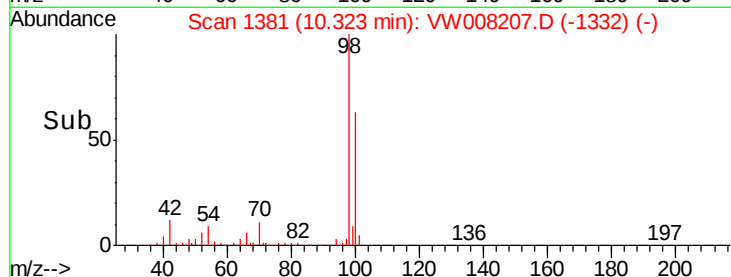
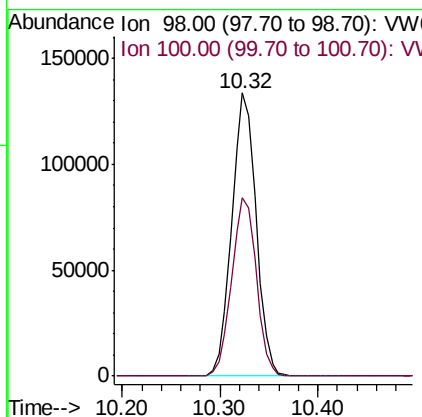
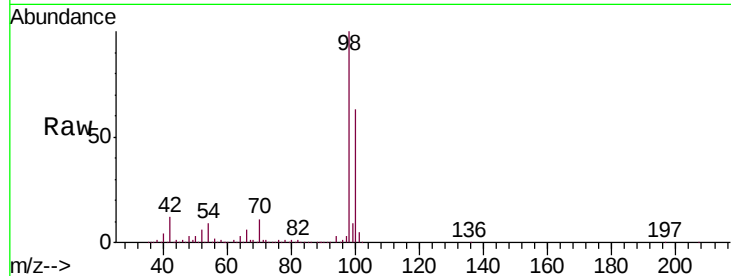




#50
Toluene-d8
Concen: 51.000 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008207.D
Acq: 11 Jan 2019 21:03

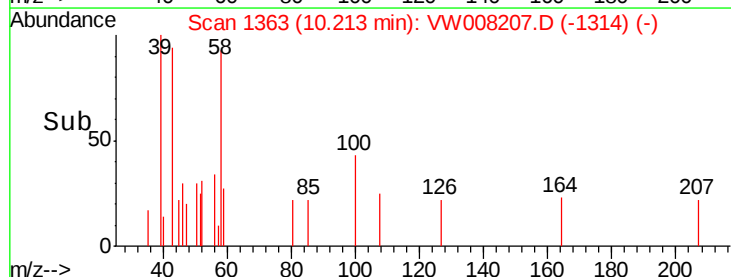
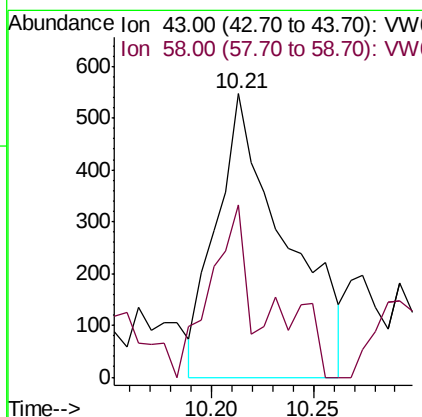
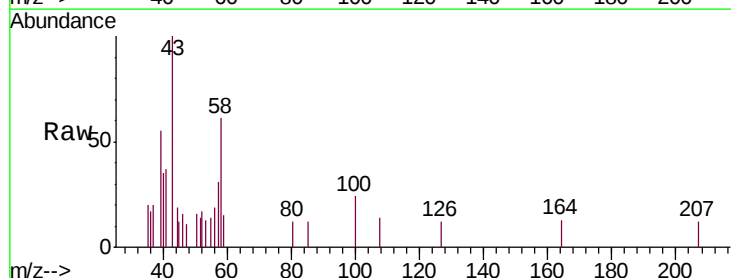
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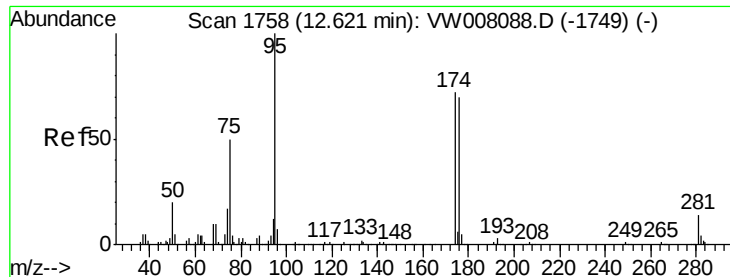
Tgt Ion: 98 Resp: 230782
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.732 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008207.D
Acq: 11 Jan 2019 21:03

Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 33.7 30.6 46.0





#62

4-Bromofluorobenzene

Concen: 50.330 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

CPSB-14(15-20)

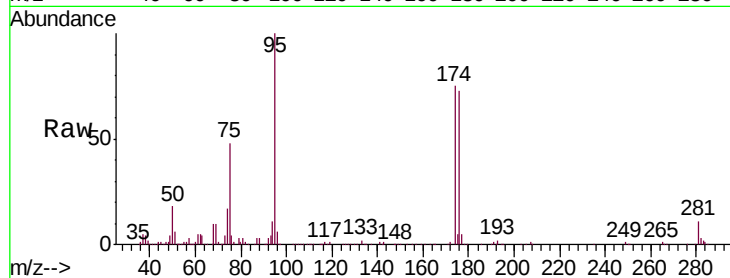
Tgt Ion: 95 Resp: 81647

Ion Ratio Lower Upper

95 100

174 77.1 0.0 143.0

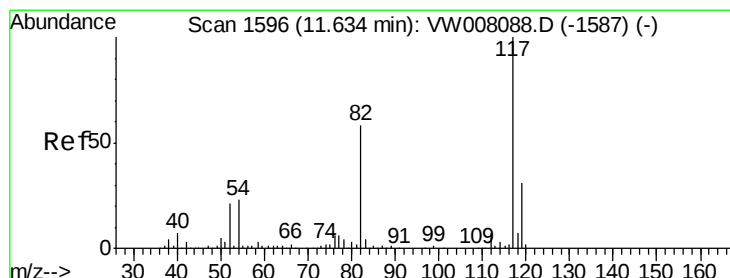
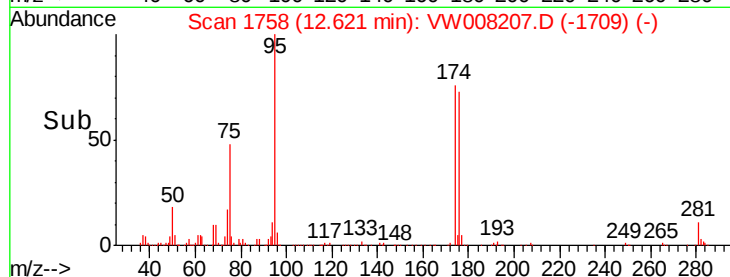
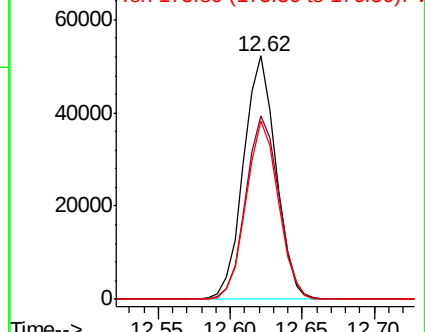
176 72.9 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

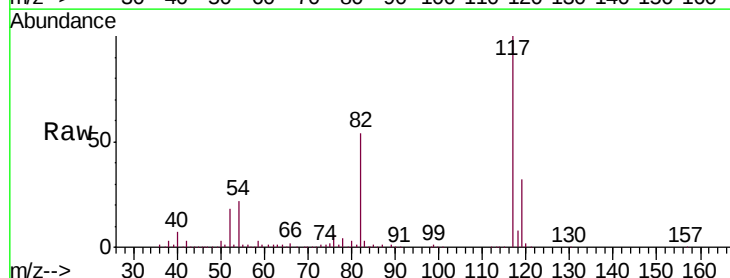
Tgt Ion: 117 Resp: 169688

Ion Ratio Lower Upper

117 100

82 54.1 46.4 69.6

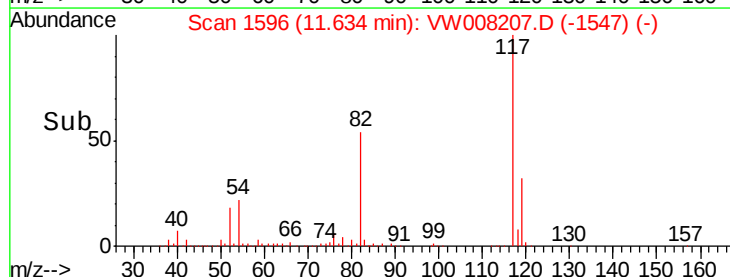
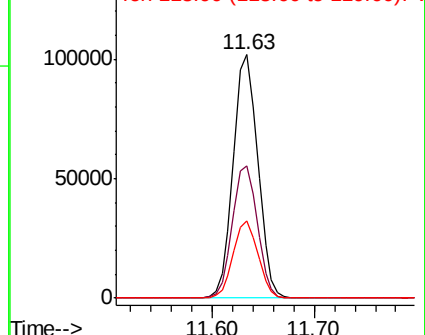
119 31.6 24.7 37.1

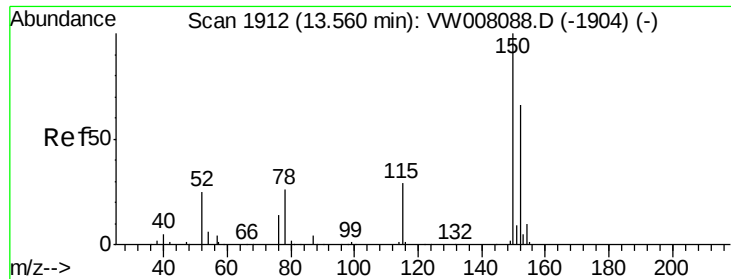


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

CPSB-14(15-20)

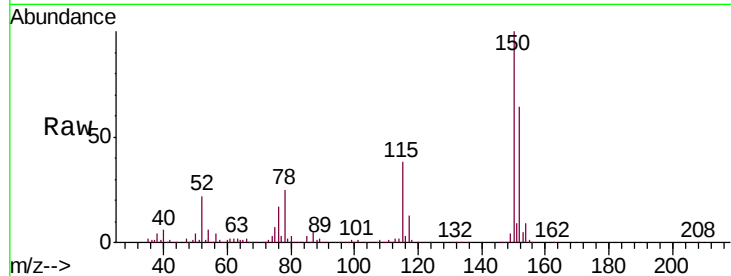
Tgt Ion:152 Resp: 81248

Ion Ratio Lower Upper

152 100

115 58.0 30.8 92.4

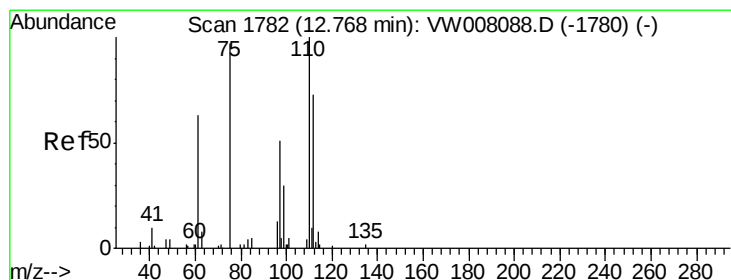
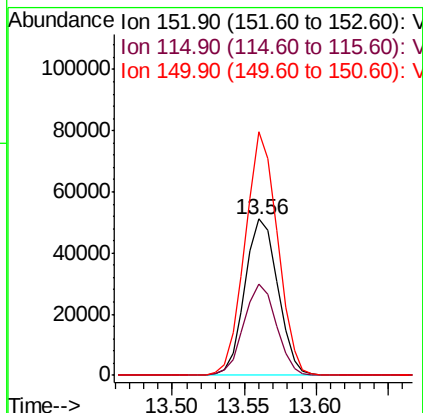
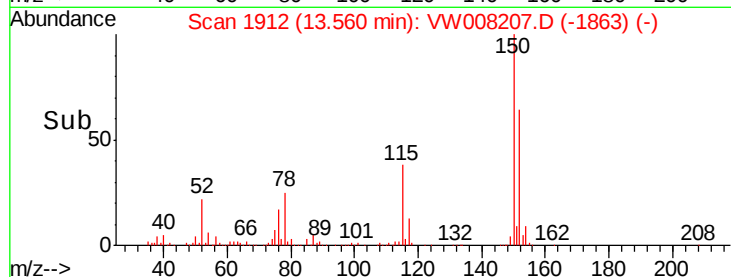
150 153.1 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 53.510 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008207.D

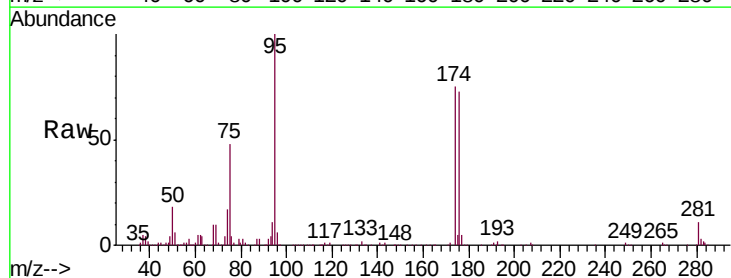
Acq: 11 Jan 2019 21:03

Tgt Ion: 75 Resp: 39633

Ion Ratio Lower Upper

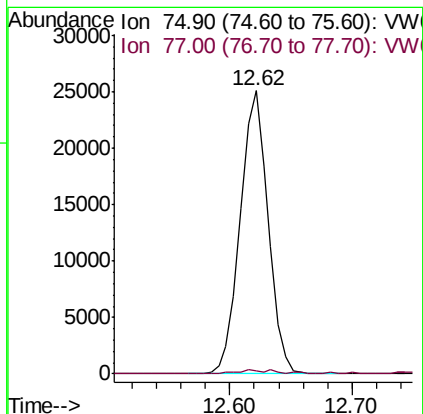
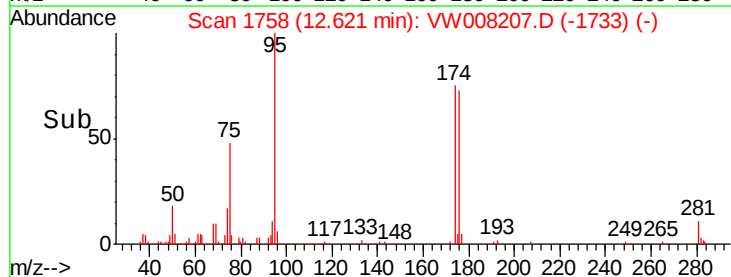
75 100

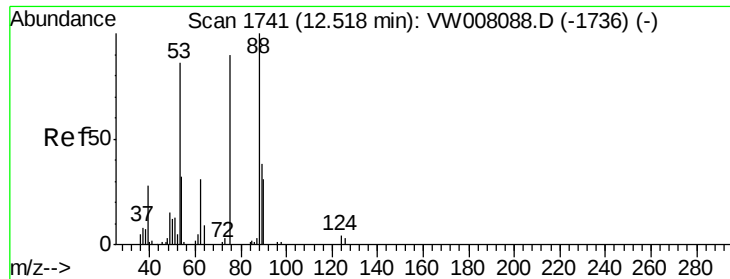
77 2.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 124.609 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008207.D

Acq: 11 Jan 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

CPSB-14(15-20)

Tgt Ion: 75 Resp: 39633

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.3 35.4 53.2#

